10:30 Feasibility of Hyaluronidase Augmented Sub-Cutaneous Administered Ampicillin Administered in a Mouse Model. Albert Nakarni, Kristine Griffett, Thomas Burris

10:45 Functional Loss of Chromatin-Remodeling Factor Brg1 in Nephron Progenitors Causes Renal Hypoplasia. Ajeet Pratap Singh, Lynn Robins, Jeannine Basta, Michael Rauchman

11:00 Bet Bromodomain Inhibition Blocks Dux4 Expression in Facioscapulohumeral Muscular Dystrophy (FSHD). Fran Sverdlov, Jonathan Oliva, Matthew Yates, Mary Campbell, Lauren Sneider, Maura Parker, Amy Campbell, Sean Shadle, Nikita Singh, Shannon Tai, Stephen J. Tapscott

11:15 AM Symposium Luncheon (Registrants only)

3. Clinical/ Outcomes II

Moderator: Jason Werner, MD (Critical Care)

12:15 A Longitudinal Investigation of Cognitive Function in Youth with Type 1 Diabetes Mellitus. Brenda A. Kirchhoff, Dustin K. Jundt, Puckett, Adriana M. Montaño

12:30 Initial Presentation of Neonatal Herpes Simplex Virus Infection. Allison L. Curtman, Eric W. Glissmeyer, Fahd A. Ahmad, Earnest K. Korgenski, Anne J Blaschke, Carrie L Byington, O’Connor S Miller

12:45 Use of Echocardiography by Primary Care Physicians as a Mode of Cardiac Evaluation: Diagnostic Yield and Potential Effect on Cost of Care. Sarah M. Mitchell, Kenneth O. Schowengerdt

1:00 Obstetricians’ Views on the Ethics of Cardiac Surgery for Newborns with Common Anomalies in the United States. Gary Fruman, Collin Miller, Rachael Bradshaw, Darby Rablile

1:15 Do Late Preterm Infants Utilize Healthcare More Than Term Infants Throughout Infancy? Betelhem Tobb, Pamela Xaverius, Camelia Guild, Leslie Hinyard, Donna Halloran

4. Clinical/ Outcomes III

Moderator: Robert Fleming, MD (Neonatology)

2:00 Increased Neonatal Vancomycin Trough Levels and Incidence of Ototoxicity/Nephrotoxicity in the NICU. Jenna Fine, Rachel MacLeod, Ajeet Pratap Singh, Christina Andrikidis

2:15 Feasibility of the Novel Combination of Influenza Vaccinations & Child Passenger Safety Seat Fittings in the Drive-Thru Clinic Setting. Nopp Le, Rachel Charney

2:30 Birthing Hospital Levels and Adverse Birth Outcomes in Missouri. Pamela K. Xaverius, Lauren Prinzing, Emily Doucette, Amanda Varble

2:45 Changing Risk Factors For Pediatric Cholecystectomy. Yana Puckett, Kaveer Chatoorgoon, Colleen Fitzpatrick, Dennis Vane, Jose Greenspon

3:00: Bmp-2 Use in Alveolar Cleft Repair is Associated with Reduced Sagittal Growth Measurements on Lateral Cephalograms. Lawrence A. Rudolf, Jeremy A. Goss, Margie S. Hunter, Eric S. Armbracht, Ross E. Long, Jr., Alexander Y. Lin.

3:15 - 4:15 PM POSTERS PRESENTATION

Facilitators: James Gerard, MD (Emergency Medicine) Justin Josephsen, MD (Neonatology) Marta King, MD, MED (General Academic Pediatrics) Barbara Whitman, MSW, PhD (Pediatrics)


2. Cholecystectomy After Gallstone Pancreatitis in Children. When is the Optimal Time? Faidadh Badru, Yana Puckett, Robert Breeden, Maxmillian Bourdillon, Dennis Vane, Gustavo Villatora

3. Increased Incidence of Pediatric Non-Accidental Trauma During Holidays: Myth Or Reality? Faidadh Badru, Yana Puckett, Dennis Vane, Kaveer Chatoorgoon


The Curious Case of the Normal Newborn Metabolic Screen (NMS). Jennifer N Buehler, Gene Labarge, Marta King


Expectations of Hospitals by the Uninjured During Disasters. Rachel L Charney, Terri Rebbmann, Preoti Dalawari, Amy Enzrial

Correlation of Asthma Controller Medication Prescription Rate and Acute Asthmatic Events: Outcomes Penetration to the Population Level for Children Enrolled in Missouri Medicaid (MoHealthNet). Tyler Cunningham, Eric Armbracht

How Do You Spell Relief? Joanna D’Souza, Marta King

Echocardiographic Assessment of Morquio A Mice. Michael Flanagan, Qi Gan, Raymond Wang, Adriana M. Montaño

S100A12 is Increased in Preterm Neonates with Chorioamnionitis and Promotes Th17 Differentiation in Cord Blood CD4 Cells. Jennifer N Buehler, Gene Labarge, Marta King


Systemic Loxoscelism with Delayed Onset of Forearm Necrosis Compartment Syndrome. Michael Flanagan, Qi Gan, Raymond Wang, Adriana M. Montaño

Development of Injectable Microgels for Galns Enzyme Replacement Therapy. Erin Jas, Yasaman Chenrehgahianzabi, Shirangi Patel, Michael Flanagan, Qi Gan, Scott A. Sell, Adriana Montano, Silvia P. Zustak

Neurodevelopmental Outcomes Similar Between Discordant Twin. Michael Flanagan, Catherine C Boulshik, Eric S Armbracht

Vitamin D Reduces Progerin Expression and Rescues Genomic Instability and Premature Senescence in Hutchinson-Gilford Progeria Syndrome. Ray Krejcinenk, Gonzalo Bedia Diaz, Martin Neumann, Susana Gonzalez

09:30 - 10:00 AM Coffee Break

07:30 AM - 08:00 AM Opening Remarks: Nancy W. Brickhouse, PhD

Saint Louis University Provost

Welcome: Robert W. Wilmoth, MD

IMMUNO Professor and Chair

Introduction: Joyce Marie Koenig, MD

Professor, Pediatrics and Molecular Microbiology & Immunology; Director, Pediatric Science Days 2016

University of Missouri School of Medicine

Pediatric Science Days 2016 Program

Saint Louis University Department of Pediatrics/SSM Cardinal Glennon Children’s Hospital

Thursday, April 21

Research Symposium

Learning Resource Center (LRC)- Medical Campus
18. Using Behavioral Skills Training Paired with Observational Learning to Train Children How to Respond Appropriately to Peer Disruption. Tracy Lemler, Thea Ervin, Alyssa N Wilson

19. Hepcidin and Atoh8 Expression are Decreased in Murine Models of Hemochromatosis However Hepcidin Expression is Unaffected by Loss of Atoh8. Yihana Li, Prasad Prasad, Jan D. Miller, Sally Nijim, Andrew T. McKie, Robert E. Fleming

20. 3rd Year Med Student EHR Use: a Survey of N. American Pediatric Clerkship Directors. Marta A. King, Ryan Lin, Paula M. Buchanan, Su-Ting Li

21. The Case of a Stubborn Baby Bottle, A Photo Case Presentation. Chelsea Majerus, Nadeem Qureshi

22. Incidental Echocardiogram Finding in an Asymptomatic Bone Marrow Transplant Patient—How do you proceed? Sarah M. Mitchell, Jamie S. Sutherell, Deepika Bhalla

23. An Unusual Presentation of Congenital Diaphragmatic Hernia Priya Parikh, Carrie Johnson, Shafia Rent, Marta King


25. Pit Bull Breed Represents a Significant Risk to Children for Dog Bites. Yana Puckett, Colleen Fitzpatrick, Gustavo Villalona, Kaveer Chattorgoon, Jose Greenspan, Dennis Vane

26. Posttraumatic Stress Disorder in Pediatric Dog Bite Victims. Yana Puckett, Faidah Badru, Perry Xu, Jaimi Rhamsey, Jose Greenspan, Kaveer Chattorgoon, Gustavo Villalona, Dennis Vane, Colleen Fitzpatrick


29. Bmp-2 Alveolar Cleft Reconstruction has Improved Radiodensity on 3D Volumetric CT Scan Analysis. Lawrence A Rudolf, Dave S Ho, Jeremy A. Goss, Margie S Hunter, Ross E. Long, Eric S. Ambrecht, Alexander Y. Lin

30. Competitive Gamification (CG) And Simulation to Teach Common Pediatric Problems. Anthony J. Scalzo, Brian S. Payne


32. Does the Relationship Between Late Preterm Birth and Healthcare Utilization Differ by Race? Betelhem Tobo, Pamela Xaverius, Camelia Guild, Donna Halloran, Leslie Hinyard


34. IVIG Not Once, Not Twice...Hitesh Vashi, Aline Tanios

35. Racial Disparities and the Effect of Sexually Transmitted Infections on Adverse Birth Outcomes. Patrick J. Ward, Jessica L. Anderson, Rebecca M. Gordon, Joanne Salas, Pamela Xaverius

36. Hyperinsulinism is an Underdiagnosed Condition in SGA Infants. Joy Wen, Kimberly Spence

37. Gender Disparity in the Relationship Between Suicide Attempt and Physical/Emotional Bullying Exposure Among a Missourian Student Population. Lorinette Wirth, Kit Leung, Elizabeth Sale

38. Prostaglandin D2 Levels Regulate Conventional Dendritic Cell Migration in Neonates During Respiratory Viral Infection. Brunda Tumala, Somashubhra Bhattacharya, Stephanie Zhang, Laurie Shomick

Friday, April 22

7:30 AM
Breakfast
Danis Auditorium, SSM CGCH

8:00 AM
Grand Rounds
Danis Auditorium, SSM CGCH
Speaker: Tom Jaksic, MD, PhD
“The Art and Science of Intestinal Failure Management”

10:00 AM
Academic Roundtable
Mund Conference Room, SSM CGCH
Moderated by: Tom Jaksic, MD, PhD

Welcome to all Presenters & Mentors!